

**M E M O R A N D U M**

**TO:** NEFCO General Policy Board

**FROM:** Claude C. Custer, Water Quality Planner

**DATE:** January 19, 2005

**SUBJECT:** Consideration of the Modification of the Twinsburg Facilities Planning Area Boundary

The Summit County Department of Environmental Services has requested approval from NEFCO for a revision of the Twinsburg Facilities Planning Area (FPA) boundary. This modification partially reroutes the wastewater from the Metaldyne industrial facility located at 8001 Bavaria Road in Twinsburg from the Twinsburg Wastewater Treatment Plant (WWTP) to the Northeast Regional Sewer District's Southerly WWTP. The wastewater generated at the office portion of the facility will continue to be transported and treated at the Twinsburg WWTP. The industrial portion of the wastewater however, will be transported by Summit County Department of Environmental Services and treated at Northeast Regional Sewer District's Southerly WWTP. Therefore, the parcel containing the Metaldyne site is to be taken out of the Twinsburg Facilities Plan and included in the Northeast Regional Sewer District's Facility Planning Area as depicted on Figure 1. The ERTAC at its January 5, 2005 meeting recommended approval of the update.

General Policy Board Item No. 5  
Resolution No. FY2005-010

**RESOLUTION OF THE GENERAL POLICY BOARD OF THE NORTHEAST OHIO  
FOUR COUNTY REGIONAL PLANNING AND DEVELOPMENT ORGANIZATION  
(NEFCO) APPROVING AN UPDATE TO THE TWINSBURG FACILITIES PLAN (201)  
IN SUMMIT COUNTY, OHIO**

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**WHEREAS**, NEFCO is the designated water quality management planning agency for Portage, Stark, Summit and Wayne Counties; and

**WHEREAS**, as part of that designation it is NEFCO's responsibility to coordinate the use and update of its Clean Water Plan, also known as the 208 Plan; and

**WHEREAS**, NEFCO has been requested by the Summit County Department of Environmental Services to consider an update to the Twinsburg Facilities Plan (201) for Summit County, Ohio; and

**WHEREAS**, the Ohio Environmental Protection Agency (Ohio EPA) has requested NEFCO's approval of this update; and

**WHEREAS**, the update involves a modification of the facilities planning area boundary; and


**WHEREAS**, the NEFCO staff have reviewed this request using approved 208 Plan consistency criteria and found that the amendment would not create any new "prescriptions for wastewater disposal and treatment" for the City of Twinsburg; and

**WHEREAS**, City of Twinsburg and the Northeast Ohio Regional Sewer District have letters pending which approve this update; and

**WHEREAS**, the NEFCO Environmental Resources Technical Advisory Committee (ERTAC) performed a technical review of this request and recommended approval,

**NOW, THEREFORE, BE IT RESOLVED** that the NEFCO General Policy Board approves the Update for the Twinsburg Facilities Plan (201) Update for the City of Twinsburg in Summit County, Ohio. Furthermore, the Board directs staff to incorporate this into NEFCO's Clean Water Plan and to transmit this to the Summit County Department of Environmental Services, Northeast Ohio Regional Sewer District, City of Twinsburg, and the Ohio EPA.

Certified as action taken by the  
NEFCO General Policy Board at its  
regular meeting held on January 19,  
2005.

  
Richard Regula, Secretary  
NEFCO General Policy Board

**201 UPDATE FOR THE TWINSBURG FACILITIES PLAN  
LAKE ERIE BASIN  
SUMMIT COUNTY, OHIO**

**December, 2004**

**Introduction**

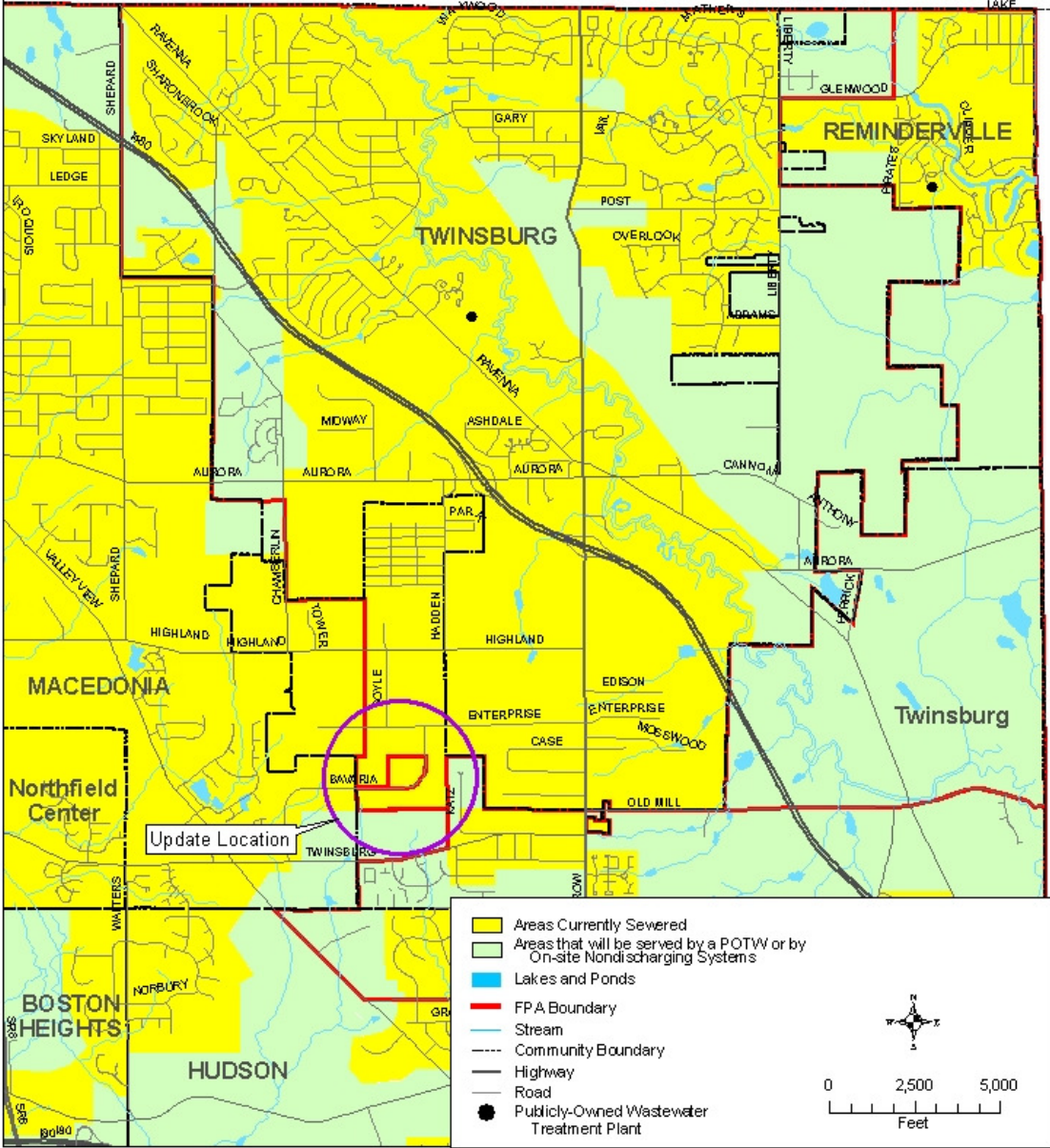
On October 18, 1972, the Federal Water Pollution Control Act (FWPCA) Amendment (also known as the Clean Water Act), Public Law 92-5000, was passed by the United States Congress. The law, its amendments, and the programs derived from its statutes established a national water quality policy for the United States. Section 201 of Title 11 of the Act required, in part, communities to study and make recommendations for the proper development and implementation of wastewater management plans and practices to achieve the goals of the Act.

Area boundaries were drawn by local and area-wide planning agencies to determine the facilities planning area for the study and evaluation of existing and proposed water pollution control facilities. Within each Facilities Plan, studies were made to determine how sanitary wastewater would be disposed of from an area wide concept. Conclusions were drawn based on sanitary sewer availability, federal grant eligibility, population projections and other criteria. The City of Twinsburg wishes to revise their portion of the Twinsburg Facilities Plan to reflect changes in their facilities plan boundary.

**Purpose**

The purpose of this 201 Update is to update the Twinsburg Facilities Planning Area boundary as shown on Figure 1. This modification partially reroutes the wastewater from the Metaldyne industrial facility located at 8001 Bavaria Rd. in Twinsburg from the Twinsburg WWTP to the Northeast Ohio Regional Sewer District's Southerly WWTP. The wastewater generated at the office portion of the facility will continue to be transported and treated at the Twinsburg WWTP. The industrial portion of the wastewater however, will be transported by Summit County Department of Environmental Services and treated at the Northeast Ohio Regional Sewer District's Southerly WWTP. Therefore, the parcel containing the Metaldyne site is to be taken out of the Twinsburg Facilities Plan and included in the Northeast Ohio Regional Sewer District's Facilities Planning Area as depicted on Figure 1.

# Figure 1 Twinsburg FPA Update



## **Twinsburg Facilities Planning Area**

### **I. Existing Situation**

#### **A. County/Basin:**

Summit/Lake Erie

#### **B. Facilities Planning Area:**

Twinsburg

#### **C. Designated Management Agency (DMA):**

##### **I. Primary DMA**

a) City of Twinsburg

##### **II. Secondary DMA**

a) Twinsburg Water and Sewer District

b) Summit County Metropolitan Sewer District SCMSD (Dept. of Environmental Services)

#### **D. Publicly-Owned Treatment Works:**

Twinsburg WWTP, 3.4000 MGD

#### **E. Facilities Plan:**

John David Jones and Associates, Inc., The City of Twinsburg Facilities Plan, was submitted to Ohio EPA in December 1985. However, the plan, which was prepared by Finkbeiner, Pettis and Strout, was subsequently approved by Ohio EPA in March 1986.

#### **F. Area Served:**

City of Twinsburg, Twinsburg Township

#### **G. Receiving Stream:**

Tinkers Creek

#### **H. Contact Person/Address/Phone/Fax:**

Mr. Christopher Campbell, Public Works Director

City of Twinsburg

Division of Public Works

10231 Ravenna Road

Twinsburg, Ohio 44087

Phone: (330) 963-6260

Fax: (330) 963-3552

Mr. David E. Marquard, P.E., P.S., Director

Summit County Department of Environmental Services

2525 State Road

Cuyahoga Falls, Ohio 44223

Phone: (330) 926-2405

Fax: (330) 926-2471

**I. Population Served:**

The population projections used in the 201 Plan and those in the NEFCO 208 Clean Water Plan are compared below.

	2000	2005	2010	2015	2020	2025
Twinsburg						
201	----	2,400	----	----	----	----
Approved 208	3,000	3,400	----	----	----	----
Aurora Westerly						
201	21,301	23,150	----	----	----	----
Approved 208	9,145	11,209	----	----	----	----

The above population projections (Approved 208) were prepared in 1990. Updated projections are scheduled to be prepared after county population projections are produced by the Ohio Department of Development Office of Strategic Research.

Note: Aurora Westerly projections were included by NEFCO for reference. These figures include population from Aurora.

**J. Wastewater Treatment Planning Prescriptions and Wastewater Planning Options**

Original source information provided by the City of Twinsburg’s Public Works Director, December 5, 2000.

City of Twinsburg Jurisdiction

**Areas Currently Sewered (yellow):**

These areas are currently served with sanitary sewers that have been constructed and are currently in operation. However, there may be undeveloped tracts of land and/or single-family homes that are being served by household sewage Treatment systems (HSTS) within this area. Existing HSTS’s shall be connected to the public sanitary sewer system upon failure. All new development and construction in the yellow areas of this facility planning area will be required to connect and/or provide sanitary service to ensure that wastewater will be treated and discharged at an existing publicly-owned treatment works.

**Areas that will be served by a POTW or by on-site non-discharging systems (green):**

These areas are currently not served with sanitary sewer and are predominantly rural in character with large undeveloped tracts of land and vacant lots subject to improvement. All new subdivision development, whether residential or non-residential, will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. Remote metes-and-bounds residential parcels may be improved with new HSTS’s provided that the local health department finds that soils are suitable or the other mutually agreeable methods of wastewater treatment can be obtained without causing off-lot discharge of effluent. Existing non-single family private treatment systems which fail to operate properly will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. Failing HSTS’s service single-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02 (OAC 3701-29-02). However, exceptions may be (granted/requested) based on sewer availability, soil conditions, extent of failure, type of replacement system and cost of repair, provided that the local health department finds that soils are suitable to

assure there will be no off-lot discharge of effluent and there is no conflict with OAC 3701-29-02.

### **Purposed Changes**

- A. Updated Wastewater Facilities Planning Area boundary map
- B. No other changes to map or prescriptions

### **Conclusion**

- A. The City of Twinsburg has requested the removal of Metaldyne's industrial flow from the Twinsburg WWTP. The City will retain the office wastewater flows from the facility to be treated at the Twinsburg WWTP. The industrial flow will be transported by Summit County Department of Environmental Services to the Northeast Ohio Regional Sewer District's Southerly WWTP for treatment. In effecting this change of flow direction, the parcel containing the Metaldyne facility must be included in the Northeast Ohio Regional Sewer District's Facilities Planning Area.

### **Comment Letters**

- A. Request for comments have been sent to the following entities: City of Twinsburg, Northeast Ohio Regional Sewer District; Ohio EPA, and Summit County Health Department.

**NEFCO Staff Clean Water Plan Consistency Review**

**201 UPDATE FOR THE TWINSBURG FACILITIES PLAN  
LAKE ERIE BASIN  
SUMMIT COUNTY, OHIO**

**January 5, 2005**

The Facilities Plan Update area is located in the northern portion of Summit County

The purpose of this 201 update is to seek approval to update the facilities plan of Twinsburg and Cuyahoga Valley Interceptor in Summit County.

**Facilities Planning Area (FPA) Boundary Consistency**

This proposed 201 update will modify the existing FPA boundary.

**Population Projection Consistency**

The population projections used in the 201 Plan and those in the NEFCO 208 Clean Water Plan are compared below.

Twinsburg	2000	2005	2010	2015	2020	2025
201	----	2,400	----	----	----	----
Approved 208	3,000	3,400	----	----	----	----
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**Adequacy of Selected Treatment Options**

Staff believes the proposed treatment prescription is the adequate option for treatment.

**Staff Recommendation**

The NEFCO staff recommends approval of the requested amendment to the Twinsburg Facilities Plan (201) for Summit County.

**ERTAC Recommendation/Comment**

This request was discussed at the January 5, 2005 Environmental Resources Technical Advisory Committee (ERTAC) meeting. The ERTAC recommends approval of the requested amendment to the Twinsburg Facilities Plan (201) for Summit County.